

Datasets used

❑ QCD_flat samples:

- 8 TeV:
 - /QCD_Pt-15to3000_TuneZ2_Flat_8TeV_pythia6/Summer12-PU_S7_START52_V9-v1/AODSIM
- 7 TeV:
 - /QCD_Pt-15to3000_TuneZ2_Flat_7TeV_pythia6/Fall11-PU_S6_START44_V9B-v1/AODSIM

❑ CMSSW version:

- CMSSW_5_2_5 (8 TeV)
- CMSSW_4_4_2 (7 TeV)

- **8 TeV:** 9948154 events
- **7 TeV:** 9176402 events

Event selection:

$$\chi < 16$$

$$y_{\text{boost}} < 1.1$$

Pre-selection:

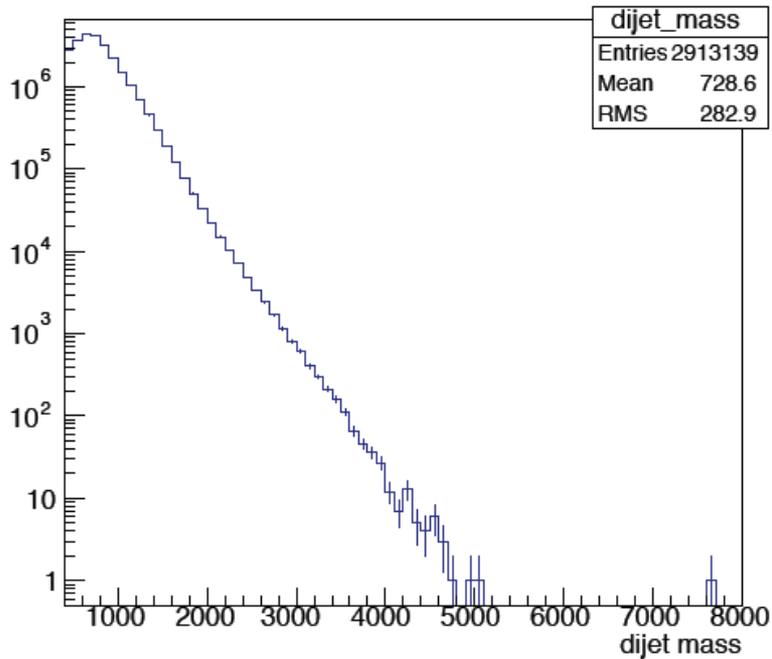
$$\eta < 2.5$$

$$PVz < 15$$

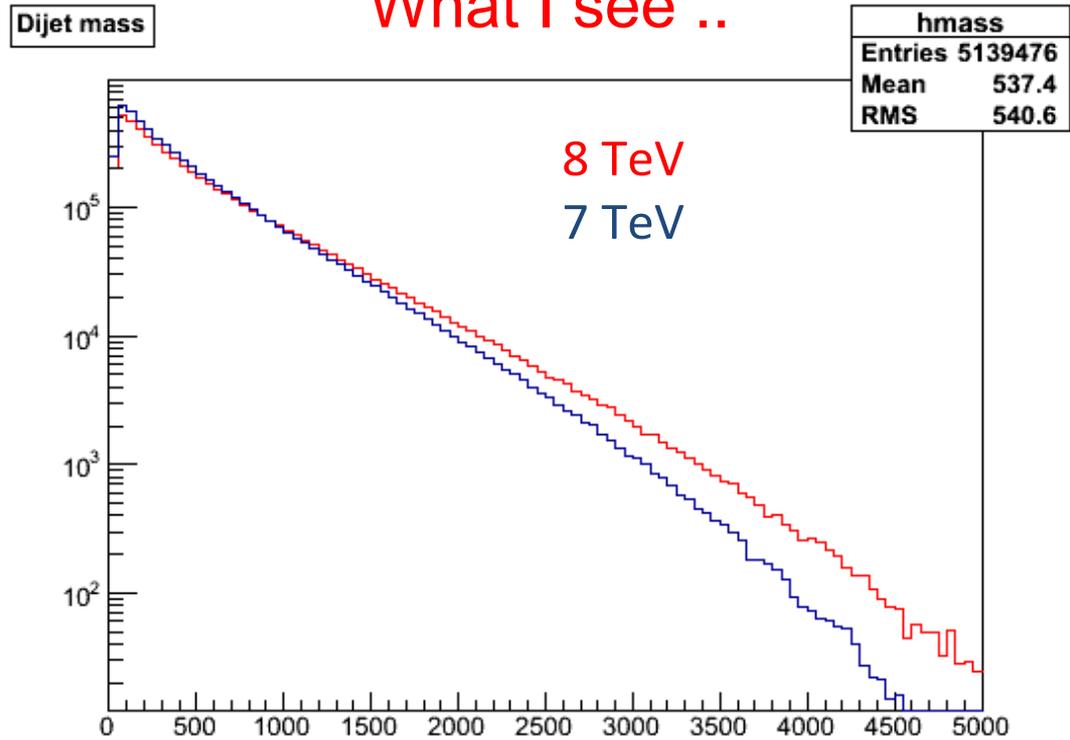
$$Ndof > 4$$

Dijet mass

From Andreas

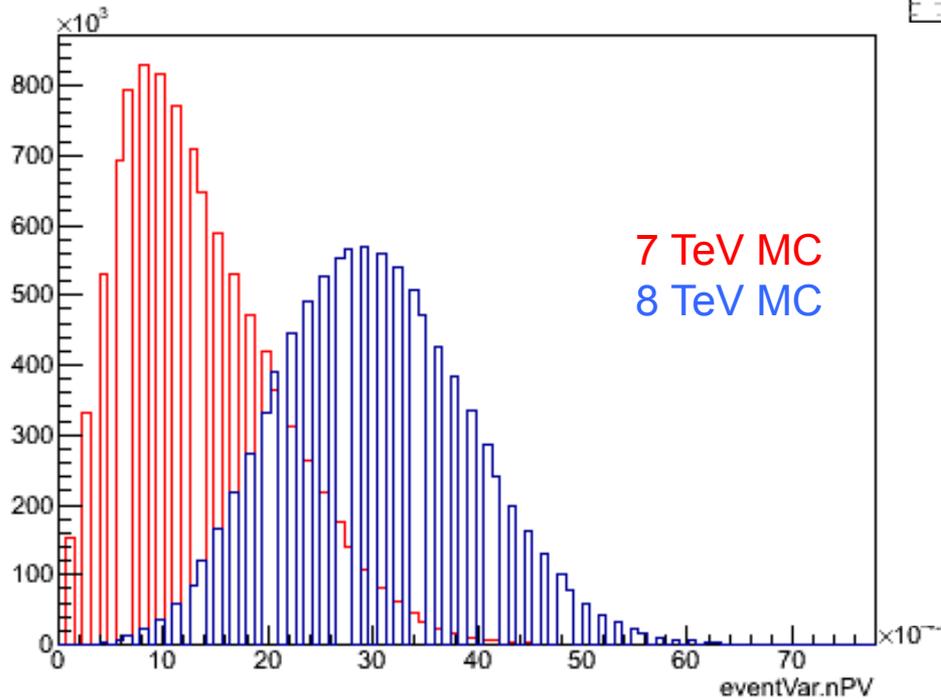


What I see ..

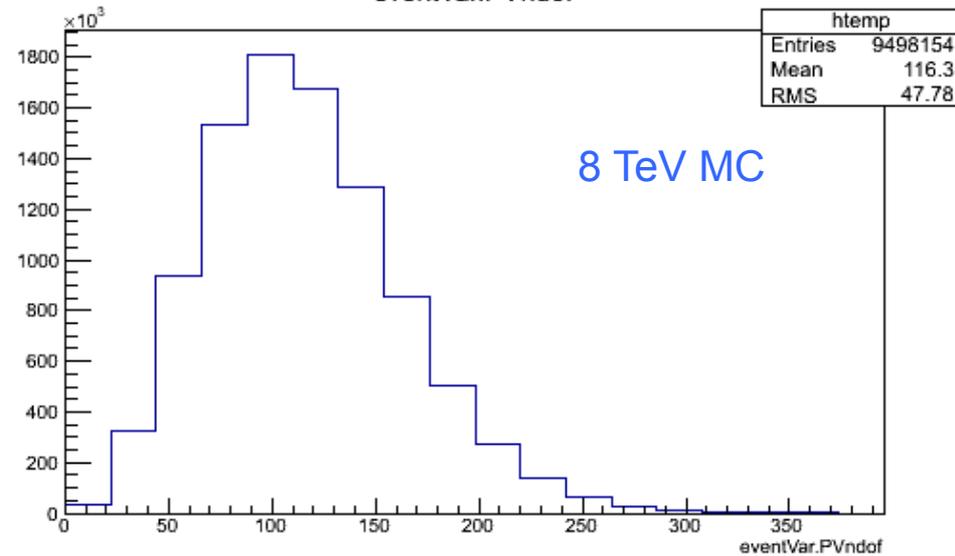


Primary vertex and # deg. of freedom

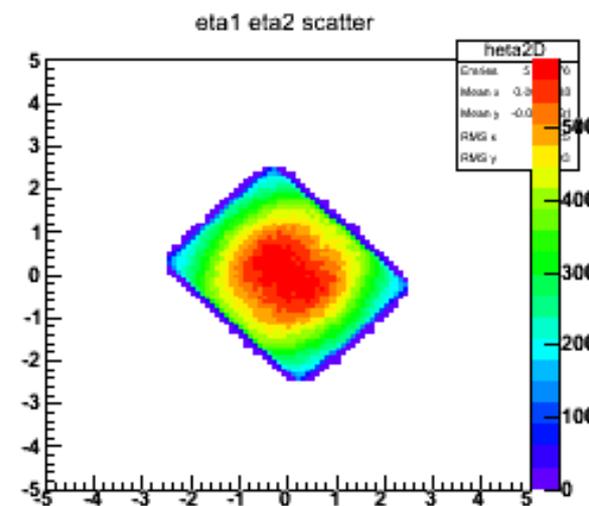
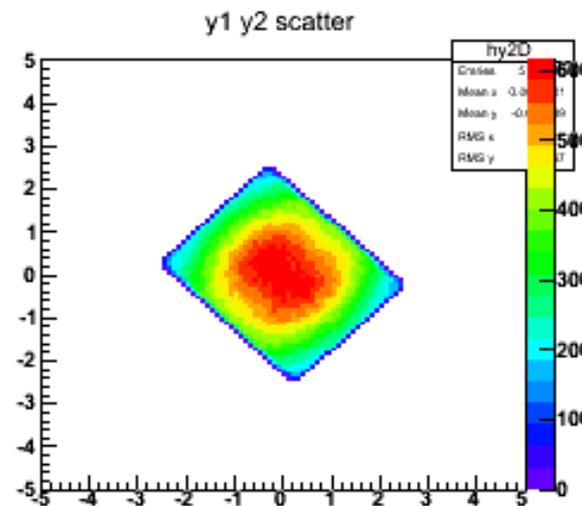
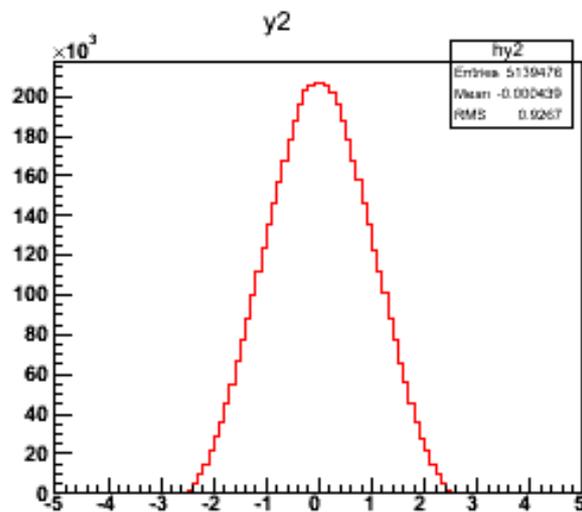
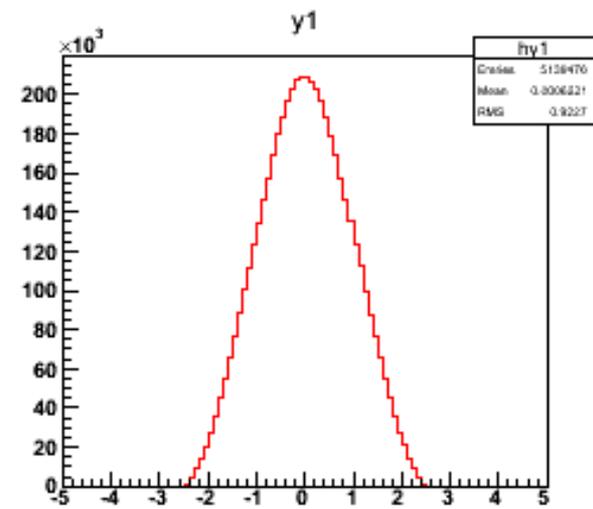
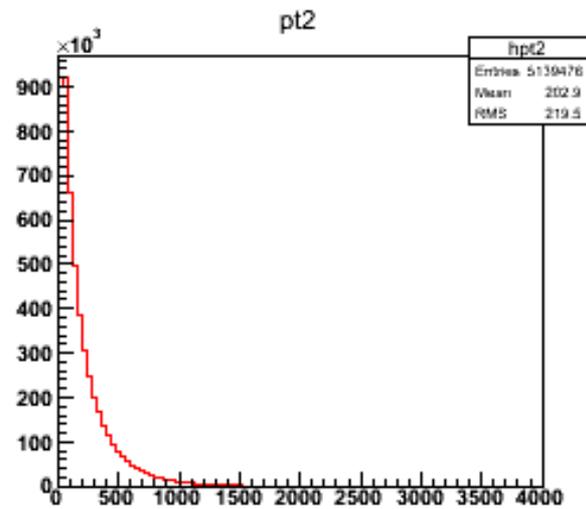
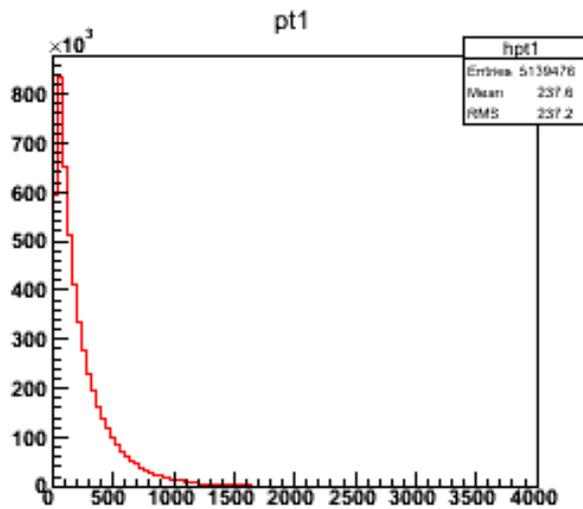
eventVar.nPV

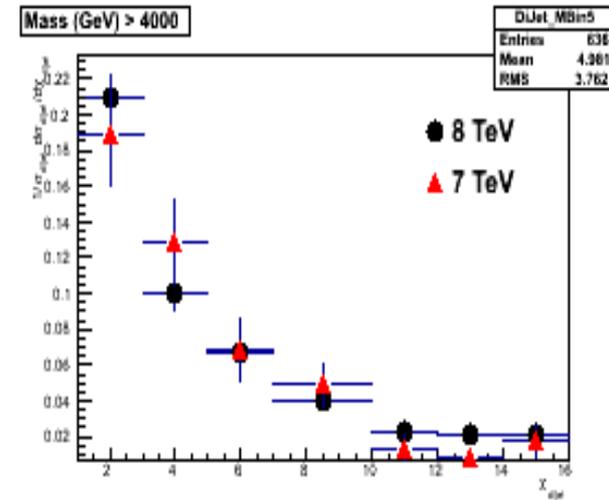
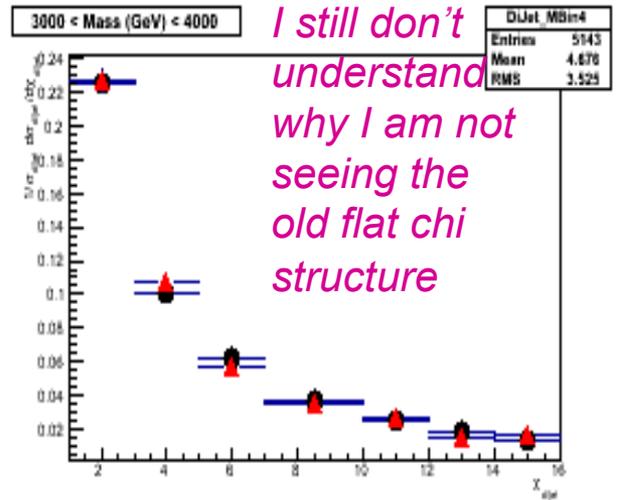
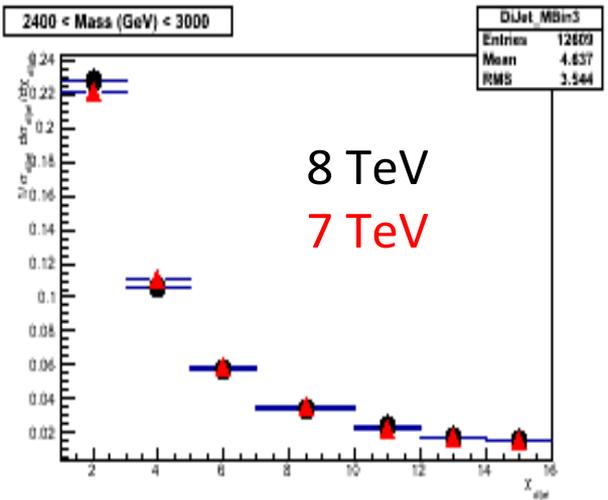


eventVar.PVndof

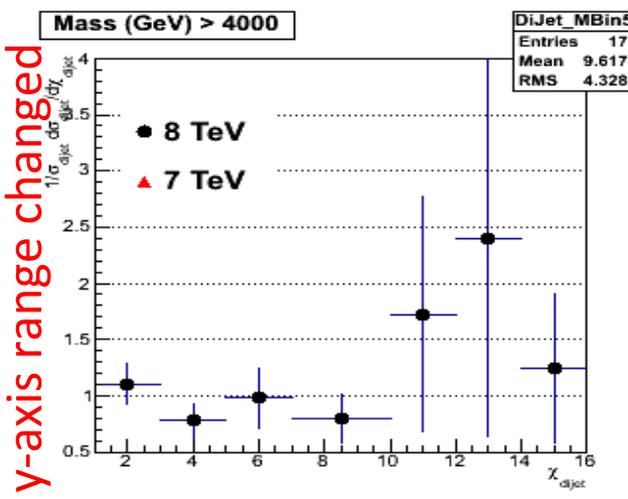
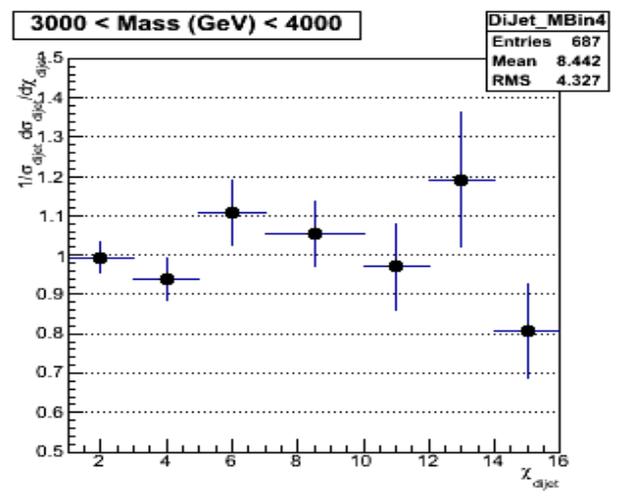
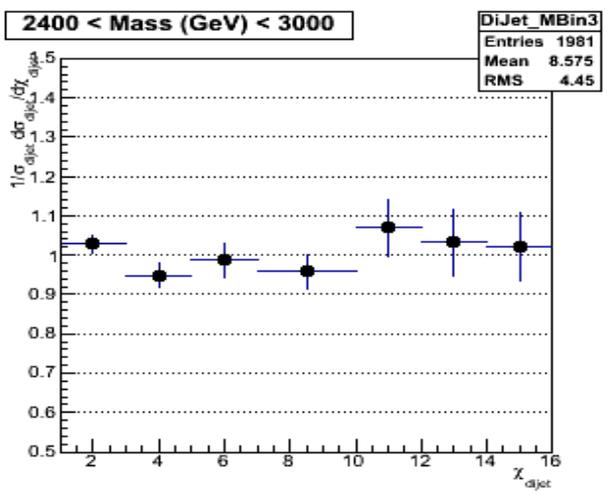


Checking things out: Kinematics @ 8 TeV





Ratio of 8 TeV / 7 TeV



Chi distribution for last two mass bins

